Contents of Volume 144

Research Articles

A.F. Mensinger and J.F. Case (USA)
Luminescent properties of deep sea fish 1

I. Bahamondes-Rojas and M. Dherbomez (France)
Purification partielle de substances glyconjuguées capables d'induire la métamorphose des larves compétentes d'*Eubranchus doriae* (Trinchèse, 1879), mollusque nidibranche 17

R.E. Weber, M. Lykke-Madsen, A. Bang, A. De Zwaan and P. Cortesi (Denmark, Italy and The Netherlands)
Effects of cadmium on anoxic survival, haematology, erythrocytic volume regulation and haemoglobin–oxygen affinity in the marine bivalve *Scapharca inaequivalvis* 29

R.E. Weber (Denmark)
Effects of mercury on the functional properties of haemoglobins from the bivalve mollusc *Scapharca inaequivalvis* 39

D.R. Robertson (USA)
Differences in the seasonalities of spawning and recruitment of some small neotropical reef fishes 49

R.C. Prescott (USA)
Sources of predatory mortality in the bay scallop *Argopecten irradians* (Lamarck); interactions with seagrass and epibiotic coverage 63

D.A. Kreeger, R.I.E. Newell and C.J. Langdon (USA)
Effect of tidal exposure on utilization of dietary lignocellulose by the ribbed mussel *Geukensia demissa* (Dillwyn) (Mollusca: Bivalvia) 85

M.S. Davies, H.D. Jones and S.J. Hawkins (UK)
Seasonal variation in the composition of pedal mucus from *Patella vulgata* L. 101

G.E. Napolitano and R.G. Ackman (Canada)
Anatomical distribution of lipids and their fatty acids in the semipalmated sandpiper *Calidris pusilla* L. from Shepody Bay, New Brunswick, Canada 113

H. Yokoyama (Japan)
Life history and population structure of the spionid polychaete *Paraprionospio* sp. (form A) 125

J. Baldwin and R.M.G. Wells (Australia)
Oxygen transport potential in tropical elasmobranchs from the Great Barrier Reef: relationship between haematology and blood viscosity 145

R.W. Langton and W.E. Robinson (USA)
Faunal associations on scallop grounds in the western Gulf of Maine 157

J.B. Geller (USA)
Consequences of a morphological defense: growth, repair and reproduction by thin- and thick-shelled morphs of *Nucella emarginata* (Deshayes) (Gastropoda: Prosobranchia) 173

A. Clarke, M.A. Kendall and D.J. Gore (UK)
The accumulation of fluorescent age pigments in the trochid gastropod *Monodonta lineata* 185

G.J. Edgar (Australia)
Population regulation, population dynamics and competition amongst mobile epifauna associated with seagrass 205

E.R. Furman and A.B. Yule (UK)
Self-fertilisation in *Balanus improvisus* Darwin 235

Author Index of Volume 144 241